Orders of Magnitude

Three 500 ml jars are filled with peas, beans, or rice. Estimate how many peas, beans, or rice are in the jars.

In terms of “order of magnitude,” which of the following contextual quantities most closely align with your “jar” estimates?

1. Number of deaths attributed to the Rwandan genocide.
2. Number of McDonalds restaurants worldwide.
3. Number of deaths attributed to AIDS since 1990.
4. Number of people who play soccer worldwide.
5. Number of deaths attributed to the Holocaust (WW2).
6. The number of windmills required to replace coal.
7. Number of deaths attributed to starvation per annum.

|  |  |  |
| --- | --- | --- |
| **Number** | **Estimate** | **Actual** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Jar Contents** | **Estimate** | **Factor** | **Context(s)** |
| Beans |  | X1000 |  |
| Peas |  | X1000 |  |
| Rice |  | XXXXXX |  |